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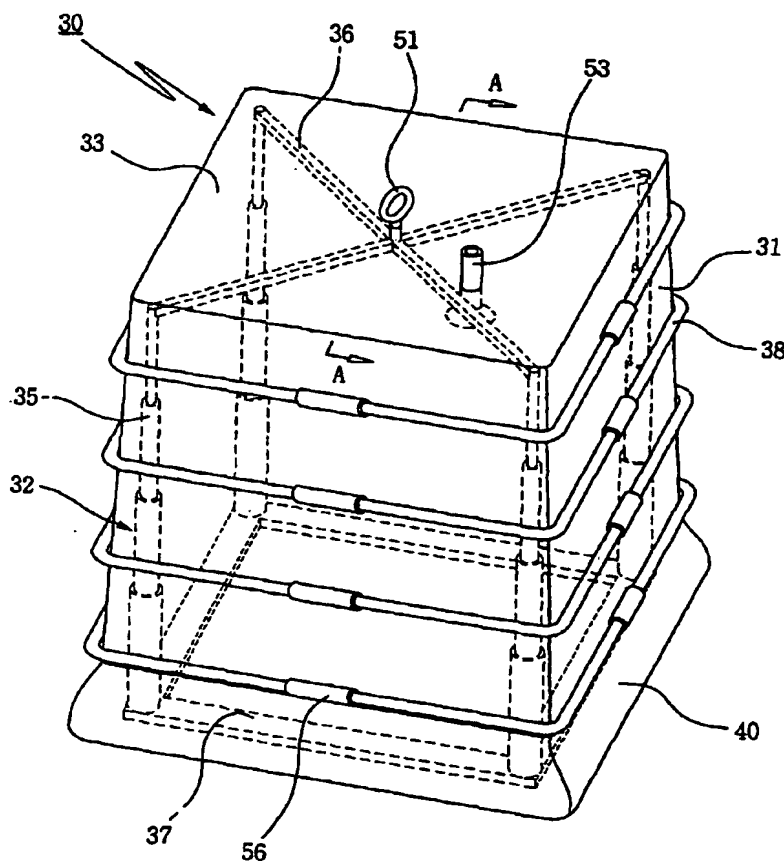
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27 November 2003 (27.11.2003) KR</p> <p>(71) Applicant and</p> <p>(72) Inventor: KIM, Yi-zoong [KR/KR]; 375 Hakmyoung-ri, Kangjin-eub, Kangjin-gun, Junranam-do 527-806 (KR).</p> <p>(74) Agent: KANG, Jung-man; #401, BYC Bldg., 648-1 Yeoksam-dong, Kangnam-gu, Seoul 135-911 (KR).</p> | <p>(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.</p> <p>(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).</p> |
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- (54) Title: CUTOFF DEVICE WITH LIQUID BAG**



(57) Abstract: A cutoff device with a liquid bag is disclosed. The cutoff device includes a framed housing (30) which supports a cover (33) having a cutoff wall (31). The cutoff wall (31) is opened at a lower end thereof with a liquid bag (40) attached along the opened lower end of the cutoff wall (31). The housing (30) includes telescopic columns (35), upper support frames (36) coupled to the upper ends of the telescopic columns (35), and a lower support frame (37) coupled to the lower ends of the telescopic columns (35). The upper end of the liquid bag (40) may be fastened to the opened lower end of the cutoff wall (31) using a zipper (39). The liquid bag (40) contains liquid, such as water, therein, with a heavy substance, such as sand, soil and powdered or granulated metal, added to the liquid.



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